

L 17937-65

ACCESSION NR: AP4047152

The radiometer calibration signal was 25K. The thirteen observed sources were: 3C-255, 3C-287, 3C-289, 3C-293, 3C-299, 3C-349, 3C-411, RN8, NGC 891, LHE-36, LHE-210, LHE-459, and LHE-523. The results of the observations show that the majority of radio sources with small angular dimensions exhibit a sudden change in the spectrum at a frequency lower than that occurring in sources having large angular dimensions. The authors consider that this phenomenon is due to the physical characteristics of the source itself rather than to red shift. Orig. art. has: 3 figures and 2 tables.

ASSOCIATION: Gos. astronomicheskii in-t im. P. K. Shternberg (State Institute of Astronomy); Fizicheskii in-t im. P. N. Lebedeva (Institute of Physics)

SUBMITTED: 26Feb64

ENCL: 00

SUB CODE: EC, DC

NO. REF SOV: 002

OTHER: 014

Card 2/2

L 02336-67 EMT(1) GW

ACC NR: AR6028399 SOURCE CODE: UR/0269/66/000/005/0041/0041

AUTHOR: Kardashev, N. S. ; Sholomitskiy, G. B.

31
B

TITLE: Limit of distances in extragalactic studies 12

SOURCE: Ref. zh. Astronomiya, Abs. 5.51.330

REF SOURCE: Astron. tsirkulyar, no. 336, iyulya 31, 1965, 3-6

TOPIC TAGS: extragalactic object, extragalactic distance, extragalactic red shift, red shift limit, emission spectrum, optic density, extragalactic dust

ABSTRACT: For the investigation of extragalactic objects in the condensation stage, the objects for consideration should be those with the corresponding red shift $\Delta\lambda/\lambda = z > 100$. Investigation of these objects, requires the condition $\alpha \leq 0$, if the source of a continuous emission spectrum is represented by the formula $F_{\nu} \propto \nu^{-\alpha}$. The derived expression for the optical density of emission scattering for free electrons, in respect to z in isotropic homogeneous models of the Universe, shows that the limit of the observable value z is about 7. The authors are of the opinion that a more precise determination of the value of the

Card 1/2

UDC: 523.855

L 02336-67

ACC NR: AR6028399

red shift limit, based on observations, will make it possible to determine the type of a model and density of an intergalactic medium. The effect on the observable limit z of a possible absorption and scattering of the optical emission of intergalactic dust was also investigated. Orig. art. has: a bibliography of 6 reference items. I. Petrovskaya. [Translation of abstract].

SUB CODE: 03/

rs
Card 2/2

L 42283.66 EWT(d)/FBD/ESS-2/EWT(1) GW/WS-2
ACC NR: AP5022788

SOURCE CODE: UR/0141/65/008/004/0651/0654

AUTHOR: Matveyenko, L. I.; Kardashev, N. S.; Sholomitskiy, G. B.

ORG: Physics Institute im. P. N. Lebedev, AN SSSR (Fizicheskiy Institut AN SSSR)

71
B

TITLE: Radiointerferometer with a large base

SOURCE: IVUZ. Radiofizika, v. 8, no. 4, 1965, 651-654

TOPIC TAGS: radio antenna, antenna radiation pattern, interferometer, radio receiver

ABSTRACT: A radiointerferometer system is proposed which permits realizing very large bases (1000 km), doing away with radio relaying, automating the recording of the signal and processing of the recordings, and accomplishing a full scan within the pattern of a single antenna. A system of two antennas operating by the principles described in this article permits obtaining, with large bases, not only amplitude but also space-phase characteristics of interference and consequently to study in detail the distribution of the brightness of discrete sources of very small angular dimensions. The authors mathematically examine two independent receiving systems separated by a large distance. Each system consists of an antenna, HF amplifier, mixer, heterodyne, IF amplifier, and an HF recording device. Orig. art. has: 4 formulas.

SUB CODE: 17/1
Card 1/1
SUBM DATE: 27Jan64/

ORIG REF: 001/ OTH REF: 007

UDC: 621.396.67:523.164

SHOLOMITSKIY, G.B.

Fluctuations in the CTA102 flux at the wavelength of 32.5 cm.
Astron. zhur, 42 no.3:673-674 My-Je '65. (MIRA 18:5)

1. Gosudarstvennyy astronomicheskiy institut im. P.K.Shternberga.

SHOLOMITSKIY, G.B.; KOKIN, Yu.F.

Radio emission from clusters of galaxies. Astron. zhur. 42
no.3:674-675 My-Je '65. (MIRA 18:5)

1. Gosudarstvennyy astronomicheskiy institut im. P.K.Shternberga.

MATVEYENKO, I.I.; KARDASHEV, N.S.; SHOLOMITSKIJ, G.B.

Radiointerferometer with a large base. Izv. vys. ucheb. zav.;
radiofiz. 8 no.4:651-654 '65. (MIRA 18:9)

I. Fizicheskiy institut imen' P.N. Lebedeva AN SSSR.

KHROMOV, G.S.; INDISOV, O.S.; MATVEYENKO, L.I.; TUREVSKIY, V.M.; SHOLOMITSKIY,
G.B.

Observations of the radio-frequency radiation from planetary
nebulæ at a wavelength of 32.5 cm. Astron.zhur. 42 no.5:1120-
1121 S-0 '65. (MIRA 18:10)

1. Gosudarstvennyy astronomicheskii institut im. P.K.Shternberga.

SHOLOMITSKIY, G.B.; SLEPTSOVA, N.F.; MATVEYENKO, L.I.

Spectra of the components of 3C 273. Astron. zhur. 42 no.6:
1135-1137 N-D '65. (MIRA 19:1)

1. Gosudarstvennyy astronomicheskiy institut im. P.K. Shternberga i
Fizicheskiy institut AN SSSR im. P.N. Lebedeva. Submitted June 25,
1965.

ACC NR: AR6035540

SOURCE CODE: UR/0269/66/000/010/0046/0046

AUTHOR: Larionov, M. G.; Sholomitskiy, G. B.

TITLE: Observation of NGC 6523 occultation by the Moon on a 3.5-cm wavelength

SOURCE: Ref. zh. Astronomiya, Abs. 10.51.338

REF SOURCE: Astron. tsirkulyar, no. 358, marta 4, 1966, 1-5

TOPIC TAGS: Moon, radiometer, lunar occultation, NGC 6523

ABSTRACT: Radiometer characteristics are given and the method of observation of Moon transit near the galactic center on the 32.5 cm wavelength is described in detail. During the occultation of NGC 6523 by the Moon, a source of radio emission with a flux of $(15 \pm 5) 10^{-26}$ w/Mc and angular dimensions of 30—40" was detected. The coordinates were determined by more than one way. The nature of the source and possibilities of identification are discussed. [Translation of abstract]

[DW]

SUB CODE: 03/

Card 1/1

UDC: 523.164.4

SHOLOMIY, Yu.M., kand. ekonom. nauk

Review of the book "Ways for increasing the productivity of
agricultural work." Mekh. sil'. hosp. 14 no.11:26-27 N'63.
(MIRA 17:2)

BRILING, Rudol'f Sergeevich; SHOLOMOV, A.M., otv. red.; LOS', T.A.,
red.; TROFIMENKO, A.S., tekhn. red.

[Descriptive geometry] Nachertatel'naiia geometriia; lektsii,
metodicheskie ukazaniia i kontrol'nye raboty dlia studentov
zaochnykh institutov. Khar'kov, Izd-vo Khar'kovskogo univ.,
1962. 216 p. (MIRA 16:9)

(Geometry, Descriptive)

06392-67 ENT(d) LJP(c)

ACC NR: AP6010285

SOURCE CODE: UR/0103/66/000/003/0097/0104

AUTHOR: Sholomov, K. A. (Moscow)

17
B

ORG: none

TITLE: On synthesizing a ¹⁶Boolean function by a multithreshold element

SOURCE: Avtomatika i telemekhanika, no. 3, 1966, 97-104

TOPIC TAGS: Boolean function, function analysis, threshold logic

ABSTRACT: The complexity of synthesizing a Boolean function by an element with more than one threshold is examined. The element complexity is defined mathematically. The best synthesis has a complexity which asymptotically equals $(\alpha + \beta/2)2^n$, where α and β are arbitrary non-negative constants ($\alpha \neq 0, \beta \neq 0$). It is demonstrated that for almost all functions, the asymptotically optimum synthesis is attained in the class of canonical transformations. An asymptotic estimate of the Shannon function $L^*(n)$ "for almost all functions" is obtained. Orig. art. has: 1 figure, 2 formulas.

SUB CODE: 12,28/

SUBM DATE: 04Nov65/

ORIG REF: 003/

OTH REF: 003

UDC: 512.93

Card 1/1

Handwritten initials

L 56041-65 EWT(d)/T Pg-4/Ph-4 IJP(c)

ACCESSION NR: AT5014621

UR/2582/65/000/013/0097/0113

AUTHOR: Sholomov, L. A. (Moscow)

21
B4

TITLE: A certain class of logical functions related to threshold functions

SOURCE: Problemy kibernetiki, no. 13, 1965, 97-113

TOPIC TAGS: logical function, threshold function, "standard" function recognition, comparable function, function generating element, k-acyclic function, fully acyclic function

ABSTRACT: Threshold functions describe the behavior of numerous real physical elements used for the construction of combination schemes. Paul and McCluskey (Proc. IRE 48, 7, 1960, 1335-1337) showed that threshold functions are fully comparable. It is indeed known that all fully comparable functions of 6 unknowns are threshold functions, and the hypothesis exists that such a correspondence is preserved up to 10 variables (the only fully comparable nonthreshold function described in the literature - the Moore function - depends on 12 unknowns). The present paper investigates a method for function recognition which reduces them to certain "standard" functions depending on a lesser number of variables. It introduces a system of permissible operations and investigates the

Card 1/2

SR
Card 2/2

KUKOLEV, G.V.; LIVSON, Z.A.; BELIK, Ya.G.; KOZLOVA, Ye.I.; LISOVAYA, Ye.D.;
SHOLOMOVA, E.M.

Effective ceramic products made of local clays. Stroi. mat. 9
no.4:4-6 Ap '63. (MIRA 16:5)

(Kharkov—Ceramics)

KUKOLEV, G.V.; LIVSON, Z.A.; KOZLOVA, Ye.I.; LISOVAYA, Ye.D.; SHOLOMOVA, E.M.

Making use of the waste clay extracted from the refractory clay
of the Chasov Yar deposit. Stroi. mat., det. i izd. no. 2:4-12:
'65 (MIRA 19:1)

1. Khar'kovskiy politekhnicheskii institut imeni V.I. Lenina.

KOCHETOV, G.A.; SHOLOMOVICH, A.F.

Effect of imidazole derivatives on liver transketolase in rats.
Vop. med. khim. 10 no.5:488-490 S-G '64. (MIRA 18:11)

1. Kafedra biokhimi zhivotnykh Gosudarstvennogo universiteta
imeni Lomonosova, Moskva.

SELYANIN, Vitaliy Georgiyevich, kand. tekhn. nauk; SHOLOMOVICH,
Abram Mikhaylovich, inzh. Prinsipal uchastiye VARSHAVSKIY,
A.M., kand. tekhn. nauk; BOYKO, A.A., retsenzent;
NIKOL'SKIY, V.S., otv. red.; POKROVSKAYA, I.M., red.izd-va;
IL'INSKAYA, G.M., tekhn. red.; PROZOROVSKAYA, V.L., tekhn.
red.

[Reducing labor consuming operations in open pit mines] Sni-
zhenie trudoemkosti rabot na kar'erakh. Moskva, izd-vo
"Nedra," 1964. 213 p. (MIRA 17:3)

ACC NR: ⁵⁵⁻¹⁴⁴ AP5027287 ⁵⁵⁻¹⁴⁴ EWA(I) ⁵⁵⁻¹⁴⁴ WW/RM ⁵⁵⁻¹⁴⁴ SOURCE CODE: UR/0207/65/000/005/0147/0148

AUTHORS: ⁵⁵⁻¹⁴⁴ Barenblatt, G. I. (Moscow); ⁵⁵⁻¹⁴⁴ Kalashnikov, V. N. (Moscow); ⁵⁵⁻¹⁴⁴ Bulina, I. G. (Moscow); ⁵⁵⁻¹⁴⁴ Sholomovich, G. I. (Moscow); ⁵⁵⁻¹⁴⁴ Zel'dovich, Ya. B. (Moscow)

ORG: none

TITLE: On one possible mechanism of the effect of small additions of high-molecular weight compounds on turbulence

SOURCE: Zhurnal prikladnoy mekhaniki i tekhnicheskoy fiziki, no. 5, 1965, 147-148

TOPIC TAGS: ⁵⁵⁻¹⁴⁴ hydrodynamics, ⁵⁵⁻¹⁴⁴ turbulent flow, turbulence, vortex, turbulence depressant, polymer

ABSTRACT: To explain and extend the data of G. I. Barenblatt, I. G. Bulina, V. P. Myasnikov and G. I. Sholomovich (O vliyani malykh dobavok rastvorimykh vysokomolekulyarnykh soyedineniy na rezhim dvizheniya zhidkosti. PMTF, 1965, No. 4) on the effect of small additions of soluble high-molecular weight compounds on turbulence, the particle sizes of sodium carboxymethylcellulose polymer in aqueous solutions were determined. The experimental procedure consisted in determining the viscosity of an aqueous solution of sodium carboxymethylcellulose by three different methods: capillary tubes, filter installation and Hepler viscosimeter, and comparison of the latter with the viscosity of a glycerine solution having the same viscosity. The experimental results are tabulated. It was found that the particle

60
Card 2/2

1.16683-66 EWT(1)/EWP(m)/EWT(m)/EWA(d)/ETC(m)-6/EWA(1) WW/RM

ACC NR: AP5021911

SOURCE CODE: UR/0207/65/000/004/0137/0138

AUTHOR: Barenblatt, G. I. (Moscow); Bulina, I. G. (Moscow); Myasnikov, V. P. (Moscow); Sholomovich, G. I. (Moscow)

72
B

ORG: none

TITLE: Effect of small additions of high molecular solutions on fluid flow

SOURCE: Zhurnal prikladnoy mekhaniki i tekhnicheskoy fiziki, no. 4, 1965, 137-138

TOPIC TAGS: fluid flow, turbulent flow, Reynolds number

ABSTRACT: An experiment is described that was designed to show the cause of a sharp decrease in pressure losses in turbulent flows. It is shown that this loss is due to a change in the pulsating motion after a small amount of high molecular compounds is introduced into the flow. A diagram of the apparatus is given. Aqueous solutions of polyvinyl alcohol and carboxymethyl cellulose were used as additives. The experiment was conducted for Reynolds numbers of $3.2 \cdot 10^3$ and 5300. The authors thank V. F. Shushpanov for his kind cooperation; V. P. Karkhov and I. I. Slezinger for their valuable comments, and V. V. Tikhomirov and

455

2

Car

Card 1/2

ORG: none

TITLE: Method for approximate calculation of the effect of the walls in cavity flow past a body in hydrodynamic tubes

SOURCE: AN SSSR. Izvestiya. Mekhanika zhidkosti i gaza, no. 4, 1966, 89-93

TOPIC TAGS: cavity flow, hydrodynamic theory, fluid flow

ABSTRACT: The article considers the homogeneous steady state flow of an ideal, weightless incompressible fluid past an axisymmetric object in a cylindrical tube. Introduce the control surface shown by the dotted line in Fig. 1.

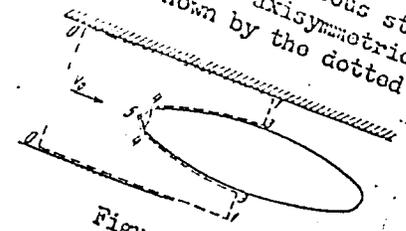


Figure 1.

L. O. ACC N°

Cross section of the middle of the tube, we assume that the momentum imparted to the projection on the axis...

$$\int_{(S_0-S_1)} v^2 dS - p \int_{(S_0-S_1)} v^2 dS$$

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549820020-0

Here the subscripts indicate the cross-sections of the tube and the middle point of the cavity from the area of the lateral surface of the cavity from the middle point, and the projection of the wetted surface transverse cross section of the tube. Assuming that the whole cross section, while the pressure p3 is constant and designating by X the force due to the resistance of

$$\int_{(S_0-S_1)} v^2 dS - p_0 S_0 = p_0 S_0 - \int_{(S_0-S_1)} p dS - p_3 S_3 - X$$

sections of the jet to the plane of the constant over the surface of the cavity.

(2)

1. SHOI OMITS^HKIY, YA. N.

2. USSR (600)

4. Sugar Industry--Accounting

7. Accounting for fulfillment of socialist obligations in economizing on equipment and material, Sakh. prom., 27, No. 1, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April, 1953, Uncl.

PIVEN', I.Ya., kand.tekhn.nauk; SHOLOMOVA, E.M., mladshiy nauchnyy sotrudnik.

Determining the strength of keramzit grains. Sbor. trud. IUZHNI
no.2:39-42 '59. (MIRA 13:9)

1. Khar'kovskiy politekhnicheskii institut im. V.I. Lenina.
(Aggregates (Building materials)--Testing)

SHOLOMOVICH, D.

Through India. Rabotnitsa 32 no.2:24 F '57.
(India--Description and travel)

(MLBA 10:4)

SABININ, Grigoriy Kharlampiyevich; SEKTOROV, Vladimir Rafailovich; SHOLO-
MOVICH, G.I., redaktor; GALOYAN, M.A., redaktor; SOKOLOVA, R.ia.,
tekhnicheskii redaktor.

[Wind driven generator assembly VE-2 and its use] Vetroelektricheskiy
agregat VE-2 i ego ekspluatatsiia. Moskva, Gos.izd-vo lit-ry po vop-
rosam sviazi i radio, 1954. 62 p. (MIRA 8:4)
(Wind power) (Electric generators)

FATEYEV, Ye.M., prof., otv.red.; BYSTRITSKIY, D.H., red.; VASHKEVICH,
K.P., red.; KARMISHIN, A.V., red.; SEKTOROV, V.R., red.;
FEDOTOV, V.Ye., red.; FRANKFURT, M.O., red.; SHOLOMOVICH,
G.I., red.; GOLOVKO, V.N., red.izd-vo; GUSEVA, I.N., tekhn.red.

[Problems in wind power] Voprosy vetroenergetiki. Moskva,
Izd-vo Akad.nauk SSSR, 1959. 135 p. (MIRA 12:6)

1. Akademiya nauk SSSR. Energeticheskiy institut. 2. Chlen-
korrespondent Vsesoyuznoy akademii sel'skokhozyaystvennykh
nauk im. V.I.Lenina (for Fateyev).
(Wind power)

SHOLOMOVICH, G.I.

Experimental investigation of models of multibladed wind wheels in
a cross wind flow. Prom.aerodin. no.16:69-74 '60. (MIRA 13:8)
(Windmills) (Aerodynamics)

SHOLOMOVICH, M.A

USSR/Cultivated Plants. Potatoes. Vegetables. Melons

M-5

Abs Jour : Ref Zhur - Biol., No 1, 1958, No 1566

Author : L.N. Gorev, M.A. Sholomovich

Inst : Not Given

Title : An Attempt to Obtain High Potato Yields in Rayon of the
Semarkandskaya Oblast.

Orig Pub : Sots. s.kh. Uzbekistana, 1957, No 3, 46-49

Abstract : No abstract

Card : 1/1

SVIRIDA V.G., rukovoditel' raboty; KLYACHKINA, Ye.L.; ZARUBKINA, A.K.;
BAYTINA, N.M.; LYUBOSHITS, A.I.; VISHNEVSKIY, S.L.; SHOLOMYANSKIY,
Ye.Ya.; BAYOVA, M.P.

Experiment in increasing the productive capacity of the Minsk Lactic
Acid Factory under the conditions of existing equipment and electric
power systems. Trudy BNLIPPT no.4:63-66 '61. (MIRA 17:10)

SHOLOMYANTSEV-TERSKY, O. S.

"The Intrauterine Winding of the Umbilical Cord Around the Neck as One of the Etiological Factors of Congenital Torticollis." Cand Med Sci, L'vov State Medical Inst, L'vov, 1953. (RZhBiol, No 2, Sep 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (10)

SO: Sum. No. 481, 5 May 55

SHOLOMIANTSEV-TERSKIY, O.S., kand. med. nauk

Collateral approach to the anterior tibial artery. *Khirurgiia*
39 no.11:103-106 N '63. (MIRA 17:11)

1. Iz kafedry operativnoy khirurgii s topograficheskoy anatomiyey (zav. - prof. I.V. Studzinskiy) L'vovskogo meditsinskogo instituta.

SHOLPAN, V.

More about supplying feed mills with mineral raw materials. Muk-elev.
prom. 25 no.1:31 Ja '59. (MIRA 12:3)

1. Mel'nitsa No.6 pos. Mezhevaya Dnepropetrovskoy oblasti.
(Feed mills--Equipment and supplies)
(Chalk)

SHOPEN, I.P., general-ma/or meditsinskoy sluzhby; LUPINOVICH, L.S.,
podpolkovnik meditsinskoy sluzhby

The military hospital struggles in response to the appeal of the
communist society. Voen. med. zhur. no. 2:13-17 '63. (MIRA 17:9)

SECRET

SMIRN, A. M. "On the subject of the problems of class analysis on the
... ..", *Trudy SSSR gos. nauch. izd. in-^{ta}*, Vol.
VI, 1959, p. 221-30.

So: U- 31. 10 Sept. 59, (Latvian 'Zhurnal' right State, No 1, 1959).

SHOLPO, Aleksandr Yevganiyevich

For Microscopical Anatomy "Plexus Pelvicus" (central parts of pelvic region) of Man

Dissertation for candidate of Medical Science degree, Chair of Histology, (head, Prof. N.G. Kolosov) Saratov Medical Institute, 1950

SHOLPO, Aleksandr Yevgen'yevich; STARICHKOV, V.S., redaktor; LUKASHNEVICH, V.,
tekhnicheskij redaktor.

[From mineral to man; a popular scientific sketch of the development
of animate nature.] Ot minerala do cheloveka; nauchno-populiarnyi
ocherk o razvitii zhivoi prirody. Saratov, Saratovskoe kn-vo, 1955.
43 p. (Life--Origin) (MLRA 9:6)

SHOLPO, A.Ye.

Plasticity of the wall of the gastrointestinal tract. Biul.eksp.
biol. i med. 41 no.4:70-71 Ap '56. (MLRA 9:8)

1. Iz kafedry obshchey biologii (zav. prof. N.I.Nikolyukin) i
normal'noy fiziologii (zav. prof. Ye.S.Ivanitskiy-Vasilenko)
Saratovskogo meditsinskogo instituta. Predstavlena deyatvitel'ny
chlenom AMN SSSR V.N.Chernigovskim.

(APPENDIX, physiology,
eff. of implantation of dislal portion of appendix into
small intestine (Rus))

SHOLPO, A. Ye.

USSR / Human and Animal Morphology, Normal and Pathological. S-1

Abs Jour : Ref Zhur - Biol., No 18, 1958, No 83631

Author : Sholpo, A. Ye.

Inst : ~~Saratov Medical Institute~~

Title : Study of the Plasticity of the Organs of the Digestive System as Exemplified by the Appendix of a Rabbit.

Orig Pub : Tr. Saratovsk. med. in-ta, 1957, 9, 3-12.

Abstract : The wall of the vermiform appendix (VA) of adult rabbits consists of glandular, follicular, or lymphoid layers, muscle and serous membranes. When the caecal end of VA joins with the distal portion of the iliac intestine, the wall of VA within 3 to 4 months becomes thinner, and resembles the structure of the wall of the small intestine. The glandular layer develops markedly and the lymphoid one diminishes. In the muscle membrane no changes take place. The mucous membrane presents a picture of a multiplicity of epithelium.

Card 1/2

SHOLPO, A.Ye. (Saratov)

Results of measurement and true dimensions of similar spherical histological structures. Arkh.pat. 19 no.4:55-57 '57. (MIRA 10:6)

1. Iz kafedry obshchey biologii (zav. - prof. N.I.Nikolyukin) Saratovskogo meditsinskogo instituta.

(HISTOLOGY

measurement of spheroid histol. structures (Rus))

8 koi p. #7-

BIK, V.I.; SHOLPO, A.Ye.

Saratov Society of Anatomists, Histologists and Embryologists.
Arkh. anat. gist. i embr. 34 no.1:120 Ja-F '57 (MLRA 10:5)
(SARATOV--BIOLOGICAL SOCIETIES)

SHOLPO, A. Ye. (Saratov, ul. Hekrasova, d.19, kv.39)

Morphological data on the experimental reconstruction of the wall of the appendix in the rabbit [with summary in English]. Arkh. anat.gist. i embr. 35 no.2:59-66 Mr-Apr '58 (MIRA 11:5)

1. Kafedra gistologii i embiologii (zav. - prof. V.G. Yeliseyev) I Moskovskogo ordena Lenina meditsinskogo instituta im. I.M. Sechenova i kafedra obshchey biologii (i.o. zaveduyushchego - dots. A.Ye. Sholpo) Saratovskogo meditsinskogo instituta.

(APPENDIX, anatomy & histology

histol. changes after transpl. to different parts of intestinal tract in rabbits (Rus))

SHOLPO, A.Ye.

Modifications in the wall of the appendix in the rabbit as
related to age and experimental conditions. Arkh.pat. 21
no.8:60-65 '59. (MIRA 13:12)

(APPENDIX)

SHOLPO, A.Ye.

Symbiotic bacteria inside the cells of the vermiform appendix in rabbits. Arkh. pat. 22 no. 6:43-47 '60. (MIRA 14:1)
(APPENDIX--BACTERIOLOGY)

SHOLPO, A.Ye.

Cellulose-decomposing bacteria within the cells of mammals.
Nauch. dokl. vys. shkoly; biol. nauki no.1:170-172 '62.

(MIRA 15:3)

1. Rekomendovana kafedroy obshchey biologii Saratovskogo
meditsinskogo instituta.

(BACTERIA, CELLULOSE-DECOMPOSING)

BUDUNOVA, V.A. (Saratov); SHOLPO, G.P. (Saratov); KURENEVA, V.I. (Saratov);
MARKELOVA, Ye.F. (Saratov)

Treatment of chronic dysentery in specialized institutions for
infants. Vop.okh.mat. i det. 4 no.2:62-63 Mr-Ap '59.

(MIRA 12:5)

(DYSENTERY) (CHILDREN--HOSPITALS)

GASANENKO, L.B.; SHOLPO, G.P.

Calculating the electromagnetic field of a vertical low-frequency
magnetic dipole on the surface of a two-layer structure. Uch. zap.
IGU no.278:174-184 '59. (MIRA 13:2)
(Electric prospecting)

GASANENKO, L.B.; SHOLPO, G.P.

Theory of electromagnetic soundings. Uch. zap. LGU no.286:185-231
'60. (MIRA 14:3)

(Electromagnetic prospecting)

VAN'YAN, L.L.; GASANENKO, L.B.; SHOLPO, G.P.

Asymptotic representation of the electromagnetic field of a low-frequency dipole. Uch. zap. LGU no.286:232-235 '60.

(MIRA 14:3)

(Electromagnetic prospecting)

GASANENKO, L.B.; SHOLPO, G.P.

Calculating the field of a low-frequency dipole in a remote zone.
Uch.zap.IGU no.303:67-77 '62. (MIRA 15:11)
(Electromagnetic prospecting)

GASANENKO, L.B.; SHOLPO, G.P.; TEREKHIN, Ye.I.

Some functions of a complex argument met in the theory of low-
frequency fields. Uch.zap.LGU no.303:78-109 '62. (MIRA 15:11)
(Electromagnetic prospecting)

SHULPO, G.P.; SHULPO, I.Ye.

Processes of stabilization of the remanent magnetism of rocks.
Izv. AN SSSR Fiz. zem. no.5:108-116 '65. (MIRA 1966)

L. Leningradskiy gosudarstvennyy universitet imeni Zhdanova i
Vsesoyuznyy geologicheskiy institut.

L 32932-66 EWT(1) IJP(c) SOURCE CODE: UR/0387/66/000/006/0060/0066

ACC NR: AP6021406

AUTHOR: Aver'yanov, V. S.; Sholpo, G. P.

ORG: Academy of Sciences SSSR. Institute of the Physics of the Earth. Leningrad State University (Akademiya nauk SSSR. Institut fiziki zemli. Leningradskiy gosudarstvennyy universitet)

TITLE: On the nature of differences between various kinds of remanent magnetization

SOURCE: AN SSSR. Izvestiya. Fizika zemli, no. 6, 1966, 60-66

TOPIC TAGS: ~~remanent magnetization~~, ~~magnetic phase~~, hysteresis, alternating current, demagnetization, *magnetization*, *property*, *magnetic*

ABSTRACT: Experimental investigations of remanent magnetization revealed different kinds of such magnetization and its stability against external actions. The kind of magnetization depends upon the magnetic phase. There are two magnetic phases. One is associated with processes of hysteresis and participates in the formation of the remanent magnetization under the action of the magnetic field. The other magnetic phase generates temporary magnetization. The stability of isothermic remanent magnetization increases under the action of alternating current when the magnetization also increases. This increase is associated either with the prolongation of the field action or with the increase of the field intensity in a limited time. In the first case, a rapid increase of stability takes place. In processes of hysteresis,

38
B

Card 1/2

FEYGIN, S.A.; BASOV, A.N.; SHOLPO, I.N.; ZIL'BERMAN, F.Ya.

Economic prospect for the use of high-sulfur mazut by electric power plants. Khim.i tekhn.topl.i masel 8 no.11:43-49 N '63.
(MIRA 16:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po pererabotke nefti i gazov i polucheniyu iskusstvennogo zhidkogo topliva.

FEYGIN, S.A.; SHOLPO, I.N.

Petroleum crude as a source of ammonia. *Neft'ep' i neftekhim.*
no.8:31-33 '63. (MIRA 17:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po pererabotke
nefti i gaza i polucheniyu iskusstvennogo zhidkogo topliva.

KOCHEGURA, V.V.; SHOLPO, L. Ye.

Magnetic stability of igneous rocks. Uch. zap. LGU no.286:149-
156 '60. (MIRA 14:3)
(Rocks, Igneous--Magnetic properties)

SHOLPO, L. Ye.

Paleomagnetic explorations in transition zones between normally
and reversely magnetized strata. Uch. zap. LGU no.286:157-159
'60. (MIRA 14:3)
(Soviet Far East--Basalt--Magnetic properties)

KOCHEGURA, V.V.; SHOLPO, L. Ye.

Paleomagnetic investigation of Far Eastern basalts. Uch. zap.
IGU no.286:160-164 '60. (MIRA 14:3)
(Soviet Far East--Magnetic properties)

SHOLPO, L.Ye.

Comparative investigation of certain magnetic properties in effusive
basalts exhibiting normal and reverse magnetization. Izv.AN SSSR,Ser.
geofiz. no.6:864-870 Je '61. (MIRA 14:5)

1. Leningradskiy gosudarstvennyy universitet im. A.A.Zhdanova.
(Soviet Far East--Basalt--Magnetic properties)

24 7 100

S/169/62/000/007/146/149
D228/D307

AUTHOR: Sholpo, B. Ye.

TITLE: Regular relation between the remanent magnetization's demagnetization curves in a permanent and a variable magnetic field

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 7, 1962, 32, abstract 7G210 (Inform. sb. Vses. n.-i. geol. in-t, no. 34, 1961, 89-95)

TEXT: The question is considered about demagnetizing rock samples by means of permanent and variable magnetic fields in order to determine a ferromagnetic specimen's magnetic stability. The author strives to show that the somewhat modified method of permanent field demagnetization gives a fuller notion about the stability of remanent magnetization than the variable field method, which is less simple than the former. [Abstracter's note: Complete translation.]

Card 1/1

40257
S/159/62/000/007/145/149
D228/D307

24,2200

AUTHOR:

Sholpo, L. Ye.

TITLE:

Viscous magnetization of rocks

PERIODICAL:

Referativnyy zhurnal, Geofizika, no. 7, 1962, 32, abstract 7G209 (Inform sb. Vses. n.-i. geol. in-t, no. 45, 1961, 73-87)

TEXT: The author describes some results of some magnetic viscosity investigations; mainly for one class of rocks -- effusive basalts of Upper Tertiary age. The following questions are considered: the magnitude and the direction of viscous magnetization; the rate of viscous magnetization; the viscous magnetization gained in the earth's field; problems of extrapolating the results of laboratory observations of viscous magnetization; and the temperature's influence on the rate of the relaxation of the results of viscous magnetization. As a result of the data's analysis the author reaches these conclusions: 1) In the studied class of rocks the viscous magnetization very slightly distorts the magnitude and

Card 1/2

SHOLFO, L.Ye.

Relationship between demagnetization curves of residual
magnetization in constant and variable magnetic fields.
Inform.sbor.VSEGEI no.45:89-95 '61. (MIRA 14:12)
(Rocks--Magnetic properties)

RUSINOV, B.Sh.; SHOLPO, L.Ye.

Magnetic clearing of samples of the effusive rocks of Kazakhstan.
Izv. AN SSSR. Ser. geofiz. no.4:529-533 Ap '62. (MIRA 15:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologicheskiy institut.
(Kazakhstan--Magnetism, Terrestrial)

YANOVSKIY, B.M.; SHOLPO, L.Ye.; GORSHKOV, E.S.

Some characteristics of viscous magnetization. Izv. AN SSSR. Ser.
geofiz. no.6:719-725 Je '62. (MIRA 15:6)

1. Leningradskiy gosudarstvennyy universitet im. A.A. Zhdanova.
(Magnetism, Terrestrial)

SHOLPO, L.Ye.; YANOVSKIY, B.M.

Stability of residual magnetization. Uch.zap.LGU no.303:16-37 '62.
(MIRA 15:11)

(Rocks—Magnetic properties)

SHOLPO, L.Ye.

A time effect of the magnetization of rocks. Izv. AN SSSR.
Ser. geofiz. no.12:1842-1844 D '63. (MIRA 17:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologicheskii
institut.

DORTMAN, Nina Borisovna, VASIL'YEVA, Valentina
Ivanovna; VEYNBERG, A.K.; DUBINCHIK, E.Ya.; ZHDANOV, V.V.;
ZOTOVA, I.F.; IL'YEV, M.G.; TRUNINA, V.Ya.; KHOREVA, B.Ya.;
SHOLPO, L.Ye.; GPEYEVA, G.M., red.; KALMYKOVA, I.A.,
ved. red.

[Physical properties of rocks and minerals in the U.S.S.R.]
Fizicheskie svoistva gornykh porod i poleznykh iskopaemykh
SSSR. Moskva, Nedra, 1964. 325 p. (MIRA 18:1)

1. Leningrad. Vsesoyuznyy geologicheskii institut.

SHOLPO, L.Ye.

Role of magnetic viscosity in rock magnetism. Trudy VSEGEI 104:
100-117 '64. (MIRA 18:1)

SHCHUPRO, G.P.; SHCHUPRO, I.Ye.

Processes of stabilization of the remanent magnetism of rocks.
Izv. AN SSSR Fiz. zar. no.5:108-116 '65. (NIRA 1838)

L. Leningradskiy gosudarstvennyy universitet imeni Zhdanova i
Vsesoyuznyy geologicheskiy institut.

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BOOK EXPLOITATION

5

Dortman, Nina Borisovna; Vasil'yeva, Valentina Ivanovna; Vaynberg, A. K.; Dubin-
 chik, E. Ya.; Zhdanov, V. V.; Zolova, I. P.; Ilayev, M. G.; Trunina, V. Ya.;
 Khoreva, B. Ya.; Sholbo, L. Ye.

UR/

106
58
B/A

Physical properties of rocks and mineral resources of the USSR (Fizicheskiye svoystva gornykh porod i poleznykh iskopayemykh SSSR) Moscow, Izd-vo "Nedra", 1964. 325 p. illus., biblie. (At head of title: Gosudarstvennyy geologicheskii komitet SSSR. Vsesoyuznyy nauchno-issledovatel'skiy geologicheskii institut) 3000 copies printed. Under the editorship of O. M. Gapeyeva and N. B. Dortman. Principal editor: I. A. Kalnykova; Technical editor: A. S. Pelosina; Proofreaders: K. S. Toroptseva

TOPIC TAGS: magmatic rock, metamorphic rock, mineralogy, petrology, seismology

PURPOSE AND COVERAGE: This book is the result of the generalization of materials collected primarily by geophysical trusts and geologic agencies, as well as by the institutes named (VSEGEI). Principal attention is paid to the basic laws governing variations in the physical properties of rocks, various petrographic groups, and useful minerals of diverse mineralogic composition. The physical parameters to

Card 1/3

Card 2/3

GALANINEN, I.B.; SHOLEPO, M.Ye.

Theory of the induction method. Uzb. zap. LGU no. 324:89-120 '64.
(MIRA 18:4)

SHOLPO, V.N.

Structural characteristics of the zone of the schistose part of
Daghestan marked by the development of complete folding. Dokl.
AN SSSR 136 no.3:696-699 Ja '61. (MIRA 14:2)

1. Predstavleno akademikom N.S. Shatskim.
(Daghestan—Geology, Structural)

SHOLFO, Viktor Nikolayevich; BELOUSOV, V.V., otv. red.

[Type and formation of folds in the shale-bearing part
of Daghestan] Tipy i usloviia formirovaniia skladchato-
sti slantsevogo Dagestana. Moskva, Izd-vo "Nauka," 1964.
167 p. (MIRA 17:6)

1. Chlen-korrespondent AN SSSR (for Belousov).

SHOLOV, Ye. A.

"Telephone," a report read at the conference of the Acoustics Commission AS USSR
held in Leningrad 1-3 Feb 61

A-21610, 24 Feb 62

SHOL'SKAYA, I.P.

Modification of continuous drainage of the renal pelvis. Urologiia 24
no.1:39-41 Ja-F '59. (MIRA 12:1)

1. Iz kafedry urologii (zav. - zasluzhennyi deyatel'nauki prof. A. P.
Frumkin) Tsentral'nogo instituta usovershenstvovaniya vrachey na baze
klinicheskoy bol'nitsy imeni S.P. Botkina.

(KIDNEY PELVIS

continuous drainage, modified method (Rus))

EXCERPTA MEDICA Sec.17 Vol.4/4 Public Health, etc. Apr 58

1143. EPIDEMIOLOGICAL ASPECTS OF EPIDEMIC HEPATITIS IN CHILDREN'S INSTITUTIONS (Russian text) - Sholt K. - VOP. VIRUS. 1957, 3 (151-156)
Graphs 1 Illus. 1

The epidemiological survey of the foci of hepatitis and analysis of the incidence of the disease during 2.5 yr. (from Jan. 1954 to Sept. 1956) were carried out in 17 public nurseries and kindergartens in Moscow. During that period there were 24 outbreaks with 207 cases. The infection spread by waves, intervals between waves in most cases being 20-40 days. Eighty waves were recorded. Approximately half the cases occurred in November-December. In the children's institutions, where groups of children had contact with each other (common cloak-room, common toilet) the infection involved almost all groups. The search of original sources of infection gave the following results: in 4 outbreaks the first patients became infected at home; in one instance the cause of the outbreak was a patient in incubation period; in some instances convalescents served as sources of infection; in 11 outbreaks the source of infection was not found out. The various forms of prodromal symptoms seem to depend upon different reactivity of children to the same strain of virus. The administration of γ -globulin in doses of 0.17-0.28 ml. per kg. of body weight gave a good protective effect.

SHOLT, K.

SHOLT ~~(1920-1985)~~, K. Can Med Sci -- (diss) "Peculiarities of ^{the}
Epidemiology of Epidemic Hepatitis ^{is Botkin's Disease} (~~disease of Botkin~~) under
Conditions of a Large City." Mos, 1958, 12 pp (1st Mos Order of
Lenin Med Inst im I.M. Sechenov). 200 copies. (KL, 10-58, 122).

- 52 -

SHOIF, K.

Certain characteristics of the epidemiology of Botkin's disease in large cities. Zhur. mikrobiol. epid. i immun. 29 no.7:114-118 (MIRA 11:8) J1'58

1. Iz kafedry epidemiologii i-go Moskovskogo ordena Lenina meditsinskogo instituta imeni Sechenova.
(HEPATITIS, INFECTIOUS, epidemiology in large cities (Rus))

AP6024435

AUTHOR: Sholt, K.

SOURCE CODE: 001666/000/007/0006/0010

ORG: Institute of Public Health, (Institut Gosudarstvennogo zdravookhraneniya)

TITLE: Whooping-cough immunization in the Hungarian Peoples' Republic from 1953 to 1963

SOURCE: Zhurnal mikrobiologii, epidemiologii, i immunobiologii, no. 7, 1966, 6-10

TOPIC TAGS: whooping cough, disease incidence, epidemiology, immunization, ~~compulsory immunization, public health, epidemics~~

ABSTRACT:

The table shows the inoculation systems used for trivaccine immunization against diphtheria, whooping cough, and tetanus in the Hungarian Peoples' Republic from 1953 to 1963. The drop in the incidence curve shows these measures to have been successful against whooping cough. Incidence of the disease dropped to one-half or one-third the levels observed before the institution of compulsory immunization.

UDC: 616.921.8-084.47(439.1)

dec
compul
SUB CODE: 00

Card 2/2

MURZALIYEV, G.D., zasluzhenny gidrotehnik Kazakhskoy SSR; SHOLTAYEV, M.Sh.

Utilize efficiently each hectare of irrigated lands. (MIRA 17:4)
Zemledelie 26 no.3:43-47 Mr '64.

1. Glavnyy inzhener proizvodstvenno-tekhnicheskogo upravleniya Ministerstva oroshayemogo zemledeliya i vodnogo khozyaystva Kazakhskoy SSR (for Sholtayev).

SHOLTS, A.

Device for hydraulic testing of the parts of the pal, Bosh, and Fridman Maier
fuel pressure pumps. p. 20. Ratsionalizatsii Vol. 8, No. 1, 1958. Sofia,
Bulgaria.

Monthly Index of East European Accessions (EFAI) LC, Vol. 7, No. 10,
Oct. 58

27935 S/135/61/000/010/005/008
A006/A101

1.2300 1573

AUTHORS: Korshikov, N. P., Shol'ts, A. F., Engineers

TITLE: Electroslag welding of press and machine tool parts

PERIODICAL: Svarochnoye proizvodstvo, no. 10, 1961, 26-28

TEXT: Cast structures for presses and machine tools have recently been replaced by welded structures from plates, rolled and forged material. For this purpose the Novosibirsk "Tyazhstankogidropress" plant has employed electroslag welding which made it possible to reduce labor, metal and time consumption, to raise labor efficiency and to open new ways for mechanized and automated production. Some examples are mentioned of how structures have been produced by electric slag welding, including a welded press shelf, a traverse and a beam. The press shelf weighs 35.2 tons, consists of five 160 - 400 mm thick parts and is made of grade "25" plate steel. The assembly and welding processes are described. Joints 400 mm thick and 1,250 mm high are welded with 3 electrodes at 48 - 50 v and 400 - 450 amps current on each electrode. The distance between the electrodes is 70 - 75 mm and the depth of the slag pool is 25 - 28 mm, wire feed is 150 m/hour and the speed of the reciprocal electrode tip motion is 49 m/hour. CB -08A

Card 1.3

VASHUKOV, I.A., inzh.; KONONENKO, S.G., inzh.; MATTIS, G.P., inzh.;
PESCHINA, L.T., inzh.; SHOL'TS, A.F., inzh.

Furnaces for the local heat treatment of weld joints. Svar.
proizv. no.7:30-31 J1 '63. (MIRA 17:2)

1. Novosibirskiy zavod tyazhelykh stankov i gidravlicheskih
pressov im. A.M. Yefremova.

SHOL'TS, H.F.

SHNOL', S.E.; KONDRASHOVA, M.N.; SHOL'TS, Kh.F.

Multiphase changes in the adenosinetriphosphatase activity of actomyosin and myosin preparations related to different factors. [with summary in English] Vop. med. khim. 3 no.1:54-64 (MLRA 10:4) Ja-F '57

1. Kafedra meditsinskoy radiologii Tsentral'nogo instituta usovershenstvovaniya vrachey i laboratoriya farmakologii obmena veshchestv Instituta farmakologii i khimioterapii AMN SSSR, Moskva.

(ADENOSINETRIHOSPHATASE,
activity of actomyosin & myosin, eff. of various factors)

(MUSCLE PROTEINS
myosin,
adenylpyrophosphatase activity, eff. of various factors, actomyosin & myosin)

SHNOL', S.E.; SHOL'TS, Kh.F.; RUDNEVA, O.A.

Changes in the adsorptive capacity of protein in relation to spontaneous changes in the state of actomyosin in solution. Vop.med.khim.
5 no.4:259-264 J1-Ag '59. (MIRA 12:12)

1. Kafedra meditsinskoy radiologii T Sentral'nogo instituta usovershenstvovaniya vrachey, Moskva.
(MUSCLE PROTEINS)

SHOL'TS, Kh.F.

Modified amperometric assay of sulfhydryl compounds. Biokhimiia
29 no.4:577-582 J1-Ag '64. (MIRA 18:6)

1. Institut biokhimii imeni Bakha AN SSSR, Moskva.

GORSKAYA, I.A.; KOTEL'NIKOVA, A.V.; DRIZOVSKAYA, S.Yu. & SHOL'TS, Kh.F.

Study of the conditions of reduction of oxidized preparations of co-enzyme A. Biokhimiia 30 no.2:315-321 Mr-Apr '65. (MIRA 18:7)

L. Institut biokhimii imeni Bakha AN SSSR, Moskva.

SHOL'TS, M. N.

The following is among dissertations of the Leningrad Polytechnic Institute imeni Kalinin:

Investigation and Calculation of Inductance Coils with a Magnetodielectric Core." 1 July 1947. Generalized material is presented dealing with calculation of inductance coils with a toroid-shaped magnetodielectric core, which are used in wire communication within a frequency range of up to 500 kilocycles. During an examination of inductance calculation, corrections, which consider the characteristics of magnetodielectric magnetic circuits, are introduced into the ordinary equations. On the basis of experimental data, curves are plotted, with aid of which, it is possible, in the case of typical toroid cores, to determine the wire diameter and resistance of the winding against dc for a given inductance.

SO: M-1048, 28 Mar 56

SHOLTS, N. N.

Title: Magnetoelectrics and ferrous coils.

Author: L. I. Rabkin and N. N. Sholts

Issuing Agency: Published by the State Printing House of Energetics

Date: 1948

From List ATIC 17413-3

SHOL'TS, N.N.; PISKAREV, K.A.

Comparative electromagnetic characteristics of oxide ferromagnetics and some other typical magnetic materials. Izvest. Akad. Nauk S.S.S.R., Ser. Fiz. 16, 739-47 '52. (MIRA 6:3)
(GA 47 no.20:10296 '53)

SPOLITS, N. N.

Electrical properties of oxide ferro-magnetic materials.
N. S. Spolits, *Bull. Acad. Sci. U.S.S.R. Ser. Phys.* 18,
1954, 1047. Engl. translation. - See C.A.B. 49, 5051g.
H. L. H.

0000

Small box

USSR/ Physics

Card 1/1 Pub. 43 - 5/11

Authors : Shol'ts, N. N.

Title : ~~Electromagnetic characteristics of oxide ferromagnetics~~
Electromagnetic characteristics of oxide ferromagnetics

Periodical : Izv. AN SSSR ser. fiz. 18/4, 465-472, Jul - Aug 1954

Abstract : Properties of new ferromagnetic materials, namely, oxide-zinc-nickel hard alloys are described. Main characteristics (μ , ϵ , ρ , Ω , t_c , etc.) were studied for a permanent and alternating fields. This study made it possible to produce ten oxide-zinc-nickel alloys, in four groups, which are distinguished one from each other by their magnetic constants. A description of these is presented in a number of graphs and a table. Graphs; table.

Institution : ...

Submitted : May 3, 1954

SHOLTS, N. N.

400000

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³⁴
 d / Magnetic dielectrics. L. I. Rabkin, N. N. Shel'tin
 and B. I. LUDKOV. U.S.S.R. 103,922, Cat. 20, 1950.
 Dielectrics having a zero or any other desired temp. coeff.
 of magnetic permeability are prepd. by pressing mixts. of
 powd. insulating material with 2 ferromagnetic metals
 having temp. coeffs. of opposite sign. For the metal with
 the positive temp. coeff., an alloy of Si 10.7-11.3, Al 7.5 ±
 1%, rest Fe is used. For the metal with the neg. temp.
 coeff., an alloy of Si 9.9-10.5, Al 7.5 ± 1%, rest Fe is used.
 M. Hesch.

Handwritten initials and scribbles, including "SH" and "M/H".

SHEETS n n.

PLATE I BOOK EXPLANATION 90/1407

Академія наук Української СРСР. Інститут електротехніки
Вопросы обобщенно электротехнической (Overall Problems of the Electric
Instrument Industry) Киев, 1960. 288 p. 3,000 copies printed.

Additional Sponsoring Agency: Naukovo-Tekhnicheskomy obshchestvo prirodoznavchal'noy
promyshlennosti. Ukrainatskoye respublikanskoye pryv'yantse.

Editorial Board: A. D. Katsenbo, Corresponding Member, Academy of Sciences
Ukrainian SSR (Resp. Ed.); M. I. Lysin, Doctor of Technical Science, Scul-
ptor, Deputy Candidate of Technical Science, V. F. Petrovskiy, Scul-
ptor of Technical Science, A. P. Gopoldovskiy, Engineer, D. S. Zakharenko,
Engineer, and B. A. Galibery Ed. of Publishing House: B. A. Kuznetsov, Tech.
Ed.; M. I. Yelison.

PURPOSE: This book is intended for technical personnel working in the field of
electric measurement techniques, in electrical instrument plants, in labora-
tories of electric power systems and in electric measurement laboratories of
plants.

CONTENTS: This is a collection of reports presented at a conference on the over-
all development of the Soviet electrical instrument industry held in Kiev on
October 23-27, 1960. The conference was organized by the Central electro-
technical institute (Institute of Electrical Engineering, Academy of Sciences,
Ukrainian SSR) and the Ukrainian Academy of Sciences. The reports are
grouped into two sections: the first section contains 170 reports on the instru-
ment-making industry. (The second section contains 170 reports on the instru-
ment-making industry.) Problems relating to electrical instrument-making as a
whole (reports by A. D. Katsenbo, P. P. Orlovskiy, Ya. S. Averbuch, Ye. G.
Shumakov, and Ye. S. Averbuch, I. I. Zhodovskiy), the automation of
electrical-measuring circuits (A. Ya. Shumakov, Ye. V. Klyuzov, and Ye. G.
Shumakov), theory and practice of magnetic measurements (Ye. G. Shumakov, Ye. G.
Shumakov), attending the conference were workers of scientific research institutes and
schools of higher education, along with representatives of the main electric
instrument plants ("Yuzhmash" in Leningrad, "Vostok" in Kiev, "Elektro-
pribor" in Kiev, "Elektro" in Kiev, "Elektro" in Kiev, and others) and of various
electrical power systems. No personal data are included. References are
given at the end of the reports.

Математика. I. N. (continued). Frequency Compensation of Electric-
Dynamic System Voltmeters 85

Using formulas of frequency error compensation the author demon-
strates that the introduction in a circuit of "compensating" capaci-
tance always reduces the error component. 85

Бердвордін, А. М., Д. І. Зорін and М. С. Криводер. Frequency Errors 93

In the authors' opinion, the instrument-reading apparatus designed
by the VIMM (All-Union Scientific Research Institute of Machinery
and Measurement) Laboratory of electrical measurements on the
basis of the method of thermoelectric comparison. Errors caused
by inductance, mutual inductance and eddy currents, as well as
voltage-frequency response characteristics, and errors of compen-
sation and low-power-factor voltages are presented. 93

Освітін, М. А. Frequency Error Compensation in Electrodynamic System 95

Voltmeters
In order to establish a method of selecting the optimum parameters of
a voltmeter circuit, the author gives a general expression for vol-
tmeter frequency error and examines frequency compensation for two
types of voltmeters. There are 2 references, both Soviet. 95

Левін, М. І. and А. М. Івудерська. Error Compensation of Voltage Trans-
formers Intended for Operation as Ratio Transformers 95

The authors present the theory of error compensation for
the "Baldwin" type voltage transformer. The authors also present
the theory of error compensation for the "Baldwin" type voltage trans-
former intended for operation as ratio transformers. The authors
also present the theory of error compensation for the "Baldwin" type
voltage transformer. There are 2 references, both Soviet. 95

Сполів, Л. К. Magnetic Oxide-Coated Materials 95

The author examines the electromechanical properties of magnetic
oxide materials worked out by the NII NRT and compares them with
the properties of magnetic oxides of various groups. Low coercive
oxide materials with both high and low permeability, as well as high
coercive nonpermeable materials are discussed. 95

SHOLITS, N. N.

PHASE I BOOK EXPLOITATION

SOV/4893
 Vsesoyuznoye soveshchaniye po fizike, fiziko-khimiicheskiye svyazuyemye ferritov i fizicheskim osnovaniy ikh primeneniya. 39, Minsk, 1955
 Ferrity; fizicheskiye i fiziko-khimiicheskiye svyazuyemye. Doklady (Ferrites; Physical and Physicochemical Properties. Reports) Minsk, Izd-vo AN BSSR, 1960. 655 p. Errata slip inserted. 4,000 copies printed.

Sponsoring Agencies: Nauchnyy sovet po magnetizmu AN SSSR. Otdel fiziki tverdogo tela i poluprovodnikov AN BSSR.

Editorial Board: Resp. Ed.: N. N. Sirota, Academician of the Academy of Sciences USSR; K. P. Belov, Professor; Ye. I. Kondorskiy, Professor; K. M. Politov; Professor; R. V. Tezgin, Professor; G. M. Smolenskiy, Professor; N. N. Sholits, Candidate of Physical and Mathematical Sciences; E. M. Smolyarski and L. A. Bushkurov; Ed. of Publishing House: S. Kholyavskiy; Tech. Ed.: I. Volokhanovich.

PURPOSE: This book is intended for physicists, physical chemists, radio electronics engineers, and technical personnel engaged in the production and use of ferromagnetic materials. It may also be used by students in advanced courses in radio electronics, physics, and physical chemistry.

COVERAGE: The book contains reports presented at the Third All-Union Conference on Ferrites held in Minsk, Belorussia, SSR. The reports deal with magnetic transformations, electrical and galvanomagnetic properties of ferrites, the chemical synthesis of ferrite single crystals, problems of the chemical and physicochemical analysis of ferrites, problems of ferrite magnetic systems and their applications, problems of ferrite systems containing highly coercive ferrites, magnetic spectroscopy, ferromagnetic resonance, magneto-optics, physical principles of using ferrite components in electrical circuits, anisotropy of electrical and magnetic properties, etc. The Committee on Magnetism, AS USSR (S. V. Vonsovskiy, Chairman) organized the conference. References accompany individual articles.

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